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ABSTRACT OF THE DISCLOSURE

There is disclosed a polypeptide (CD30-L) and DNA sequences, vectors and transformed host cells useful in providing CD30-L polypeptides. The CD30-L polypeptide binds to the receptor known as CD30, which is expressed on a number of cell types, among which are Hodgkin's Disease tumor cells, large cell anaplastic lymphoma cells, adult T-cell leukemia (T-ALL) cells, and a number of other malignant cell types. CD30-L polypeptides find use as carriers for delivering diagnostic and cytotoxic agents to cells expressing the CD30 receptor.